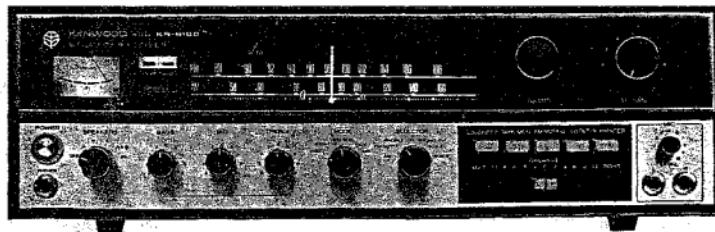


Original
KENWOOD
HI/FI STEREO COMPONENTS

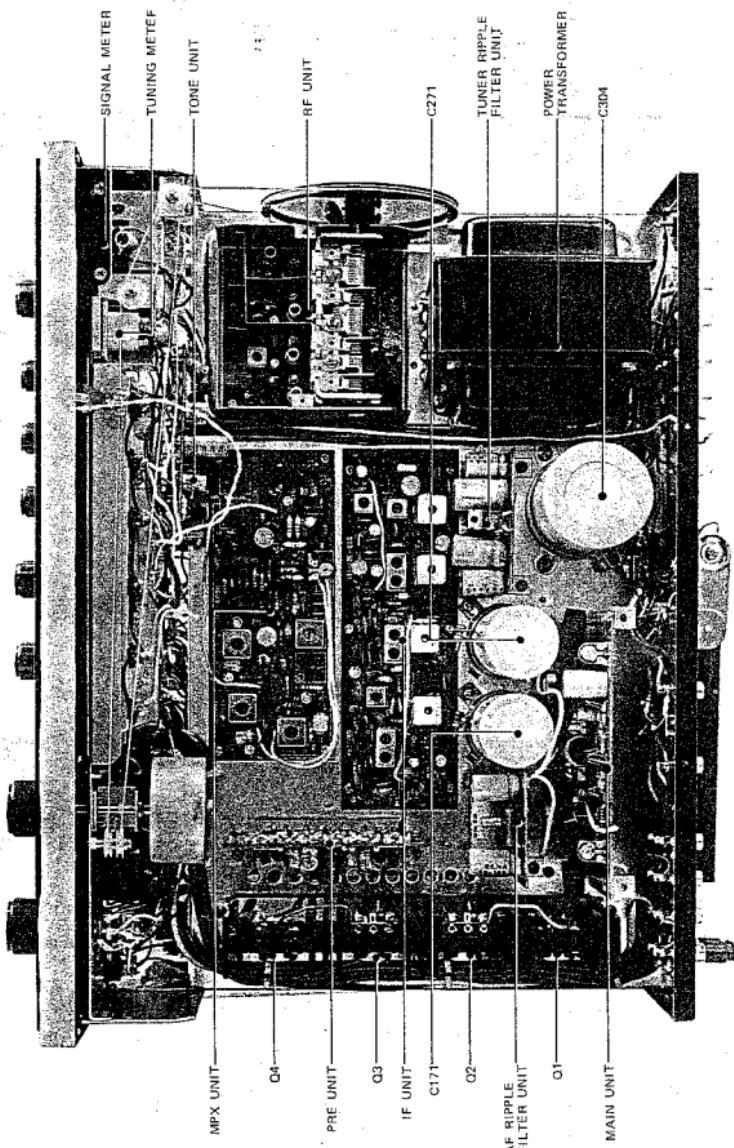
SERVICE MANUAL

KR-6160

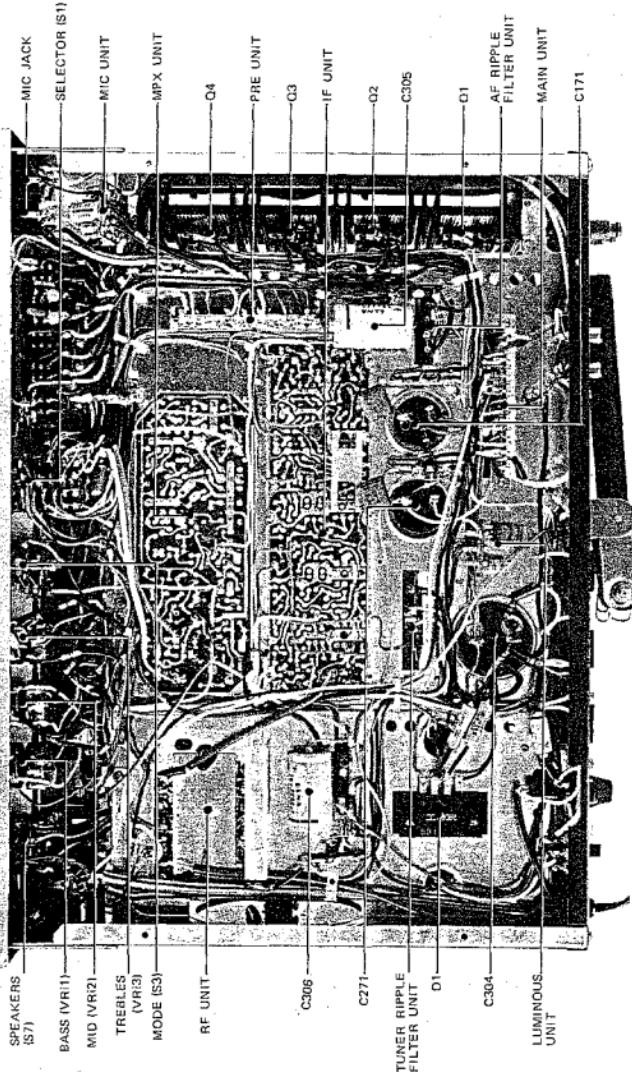


SOLID STATE
AM-FM STEREO RECEIVER

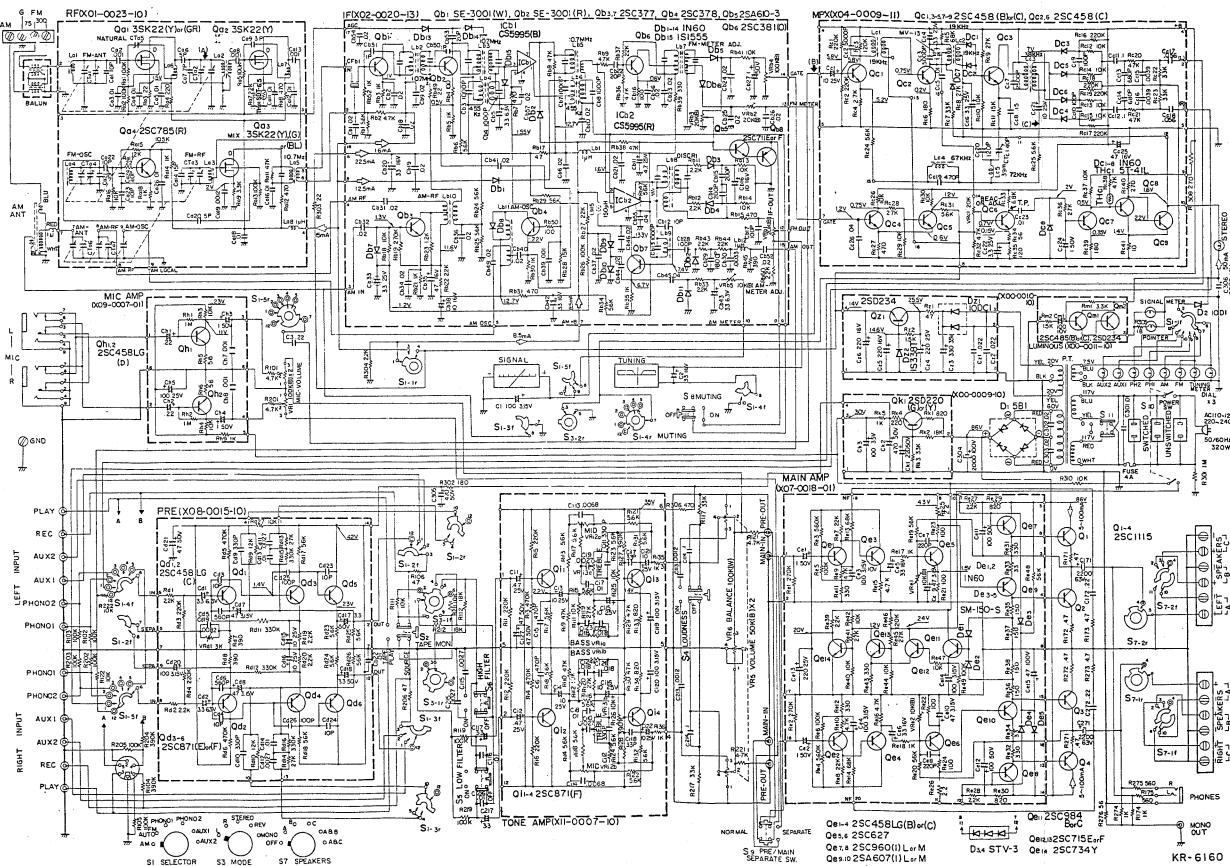
● TOP CHASSIS VIEW



• BOTTOM CHASSIS VIEW



● SCHEMATIC DIAGRAM



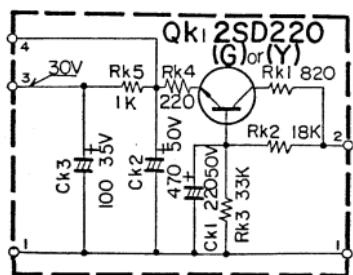


FILTER (X00-0009-10) SECTION

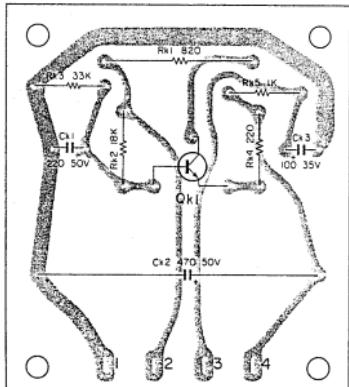
(KR-6160)

SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qk1 2SD220

● ALIGNMENT PROCEDURE

AM ALIGNMENT PROCEDURE

Alignment tools: IF transformers require a plastic screwdriver-type alignment tool.
Instruments: AM SG, AC VTVM & Oscilloscope.
Selector SW: Always place in AM position.
Warm-up: Allow 30 minutes warm-up period for Receiver and equipments.

STP	Dummy Antenna	AM Signal Generator Coupling	Signal Generator Frequency	Selector Switch	Tuning Dial Setting	Indicating Meter	Adjust	Remarks
1	Direct	High side to AM antenna terminal, Low side to chassis	455kHz (400Hz 30% AM)	AM	Any non-interfering setting	Tuning Indicator	(X02-0020-13) Lb4, 6, 9	Maximum Deflection
2	Direct	Connect to short loop of wire, Radiate signal into ferrite loop stick antenna of receiver	600kHz (400Hz 30% AM)	AM	600kHz	Tuning Indicator	(X02-0020-13) Lb11 AM ANT.	Maximum Deflection
3	Direct	Connect to short loop of wire, Radiate signal into ferrite loop stick antenna of receiver	1400kHz (400Hz 30% AM)	AM	1400kHz	Tuning Indicator	(X01-0023-10) CTa5~6	Maximum Deflection
4	Repeat steps 2 & 3 until no further improvement is possible							



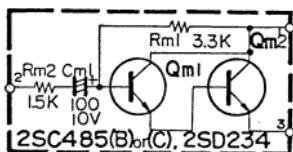
LUMINOUS (X00-0011-10) SECTION

(KR-6160)

SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

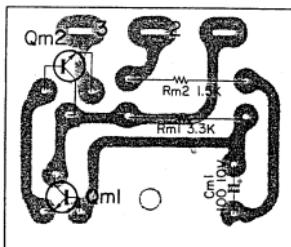
2SC458



2SD234



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qm1 2SC458 (B) or (C)
Qm2 2SD234 (O) or (Y)



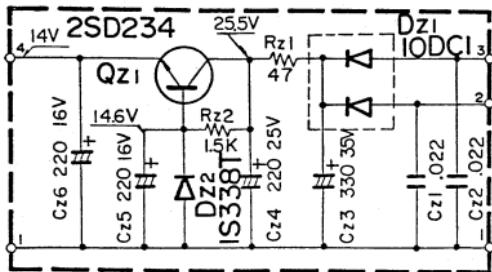
FILTER (X00-0010-10) SECTION

(KR-6160)

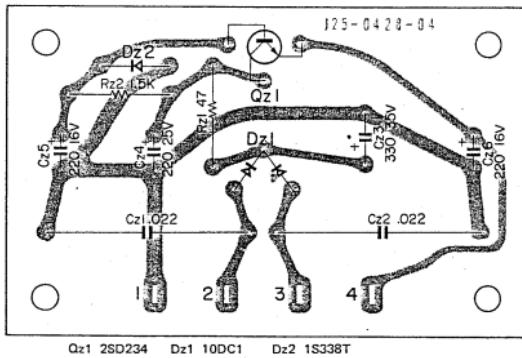
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SD 234



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS





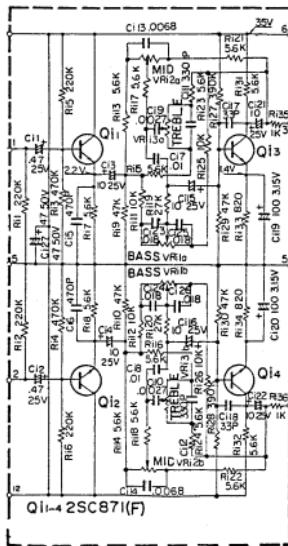
KENWOOD TONE AMP (X11-0007-10) SECTION

(KR-6160)

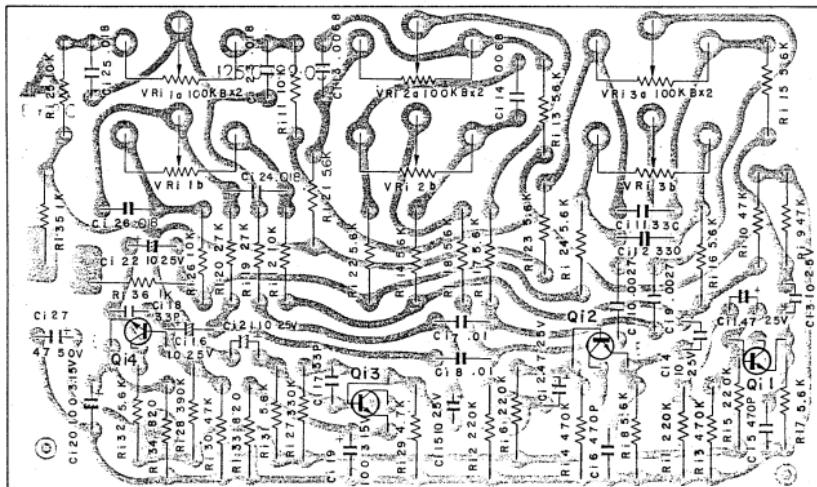
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SC871



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS

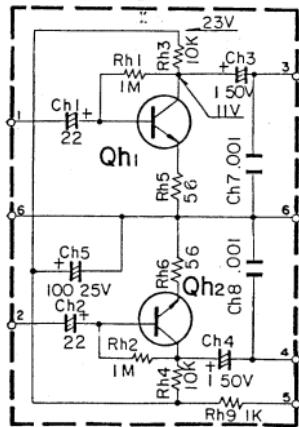


Q1 ~ 4 2SC871 (F)

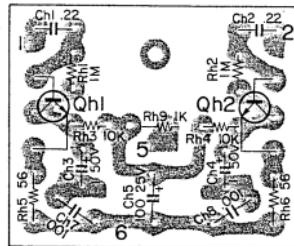
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SC458LG



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qh1,2 2SC458LG (D)

SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SA607
2SC627
2SC960



2SC715



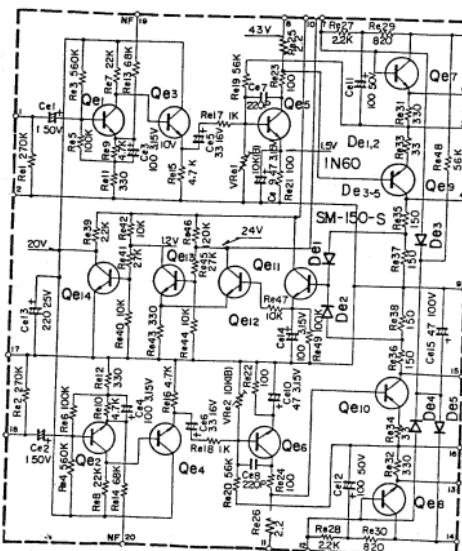
2SC458



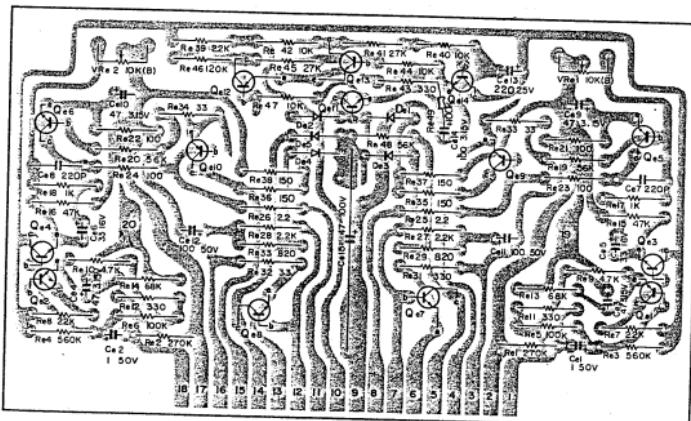
2SC373
2SC374



2SC984



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qe1~4 2SC458L (E) or (F) Qe5,6 2SC627 Qe7,8 2SC960 (I) L or M Qe9,10 2SA607 (II) L or M
 Qe11 2SC984 (B) or (C) Qe12,13 2SC715 (E) or (F) Qe14 2SC734 (Y) De1,2 1N60
 De3~5 1M 150 S



KENWOOD

PRE AMP (X08-0015-10) SECTION

(KR-6160)

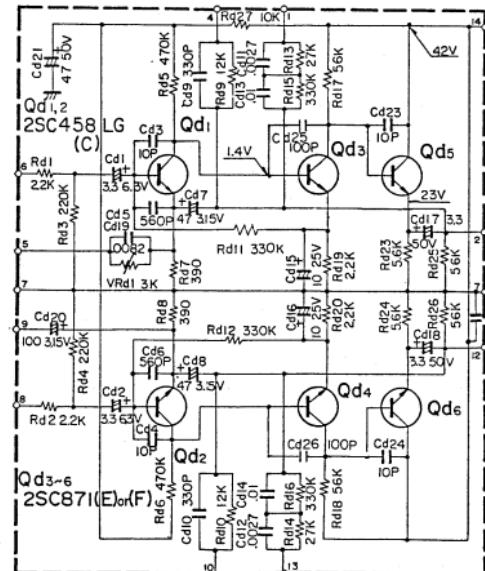
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

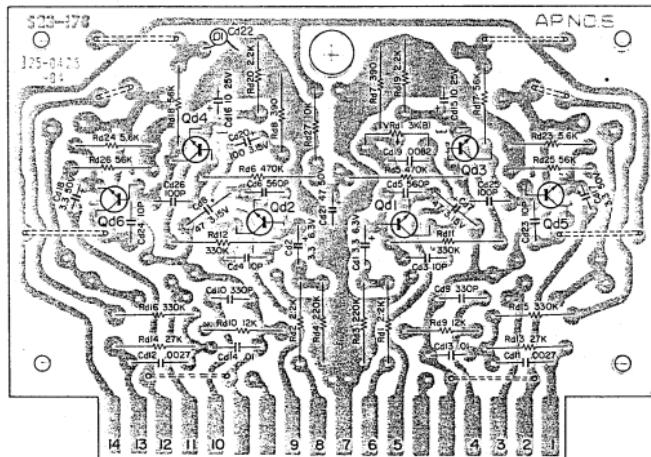
2SC458



2SC871



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS





IF (X02-0020-13) SECTION

(KR-6160) (KR-5150)

SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

563001



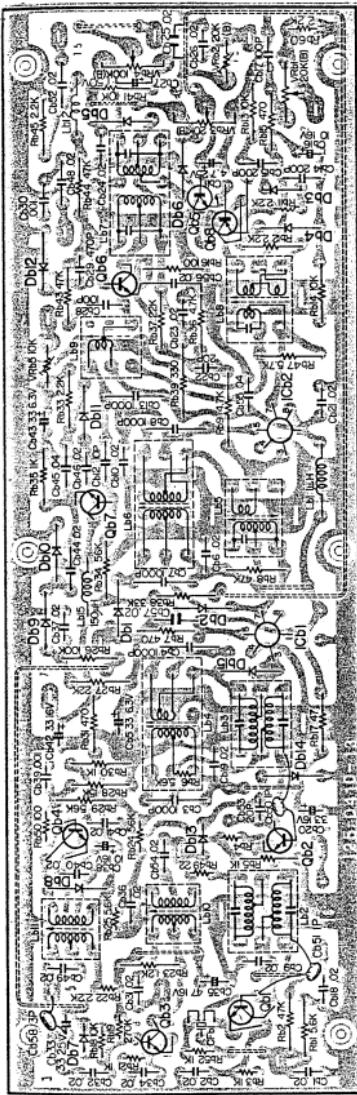
284810

2SC377
2SC381
2SC378

20SC711

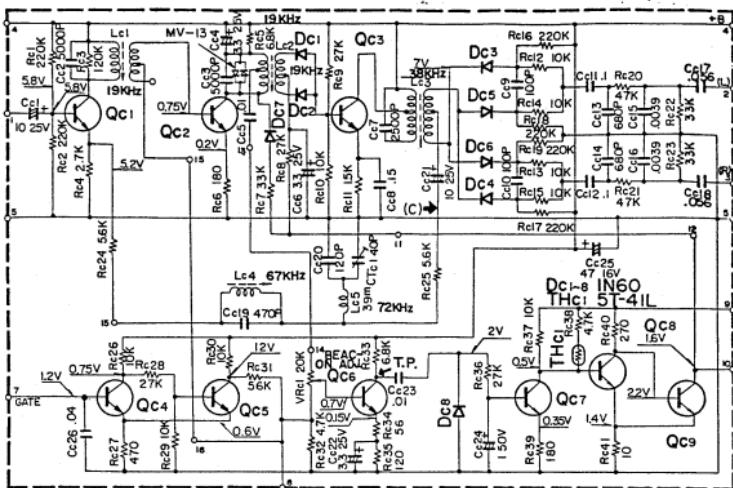


SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS

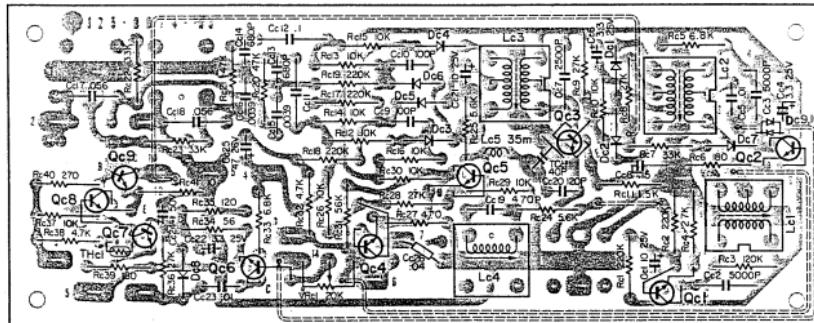


Ob1 SE-3001 (W), Qb2 SE-3001 (R), Qb3 2SC377, Qb4 2SC378, Qb5 2SA610-3, Qb6 2SC381 (O), Qb7 2SC377, Qb8 2SC711 (E) or (F), Icb1 CS5998B, Icb2 CS5995R, Db1 ~ 14 IN60, Db15 IS1555

SCHEMATIC DIAGRAM



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qc1, 3 ~ 5, 7 ~ 9 2SC458 (B) or (C) Qc2, 6 2SC458 (C) Dc1 ~ 8 1N60 Dc9, 10 MV-13 THc1 5T-41L-MV-13

BOTTOM VIEW OF TRANSISTORS

2SC458



FM RF (X01-0023-10) SECTION

(KR-6160) (TX-140X)

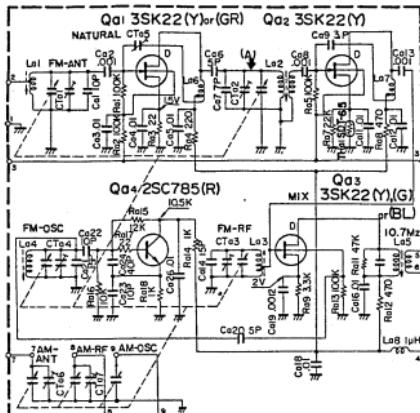
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

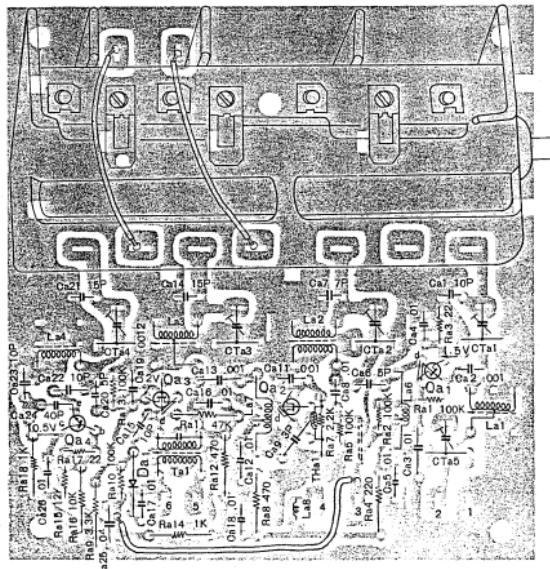
3SK22 (Y)



2SC785



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qa1 3SK 22 (Y) or (G), Qa3 3SK22 (Y) (BL) or (G)
THa1 SDT-65 Qa2 3SK 22 (Y) (B) or (G), Qa4 2SC785 Da1 1N60

● DIAL CORD STRINGING

